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 TI Bearing **copper** alloys with excellent workability and seizure-resistance
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 PA Showa Aluminium Industries K. K., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
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PI	JP 61133357	A2	19860620	JP 1984-254000	19841203
	JP 63020903	B4	19880502		
AB	<p>The Cu alloys contain Cu 50-75, Mn 1.5-4.0, Al 1.0-2.5, Ni 0.3-1.5, Si 0.5-2.0, .gtoreq.1 of Pb and Bi 0.1-1.5 each, and Te 0.05-0.5%, and balance Zn, optionally .gtoreq.1 of Ti and Zr 0.1-1.0%, and have grain size av. <80 .mu. pptd. with intermetallic compds. of av. <10 .mu. in .ltoreq.17% area. Molten alloy was continuously cast to a 50 mm diam. rod. It had the data av. 40 pptd. with one of av. 2.2 in 12.1%, tensile strength 71.3 kg/mm², elongation 26.8%, and Brinell hardness 87. Such an alloy contained Cu 67, Mn 3.3, Al 1.5, Ni and Si 1.0 each, Pb 0.5, and balance Zn. The mech. data were 58.6, 7.2, and 87 with a conventional one contg. Zn 37, Mn 1.2, Al 1.3, Fe 0.3%, and balance Cu. The wear was much less and machinability was superior.</p>				